

# Alfa Laval T15

## Gasketed plate heat exchanger for a wide range of applications

### Introduction

Alfa Laval Industrial line is a wide product range that is used in virtually all types of industry.

Suitable for a wide range applications, this model is available with a large selection of plate and gasket types.

### Applications

- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food and Beverages
- Home and Personal care
- HVAC and Refrigeration
- Machinery and Manufacturing
- Marine and Transportation
- Mining, Minerals and Pigments
- Pulp and Paper
- Semiconductor and Electronics
- Steel
- Water and Waste treatment

### Benefits

- High energy efficiency – low operating cost
- Flexible configuration – heat transfer area can be modified
- Easy to install – compact design
- High serviceability – easy to open for inspection and cleaning and easy to clean by CIP
- Access to Alfa Laval's global service network

### Features

Every detail is carefully designed to ensure optimal performance, maximum uptime and easy maintenance. Selection of available features, depending on configuration some features may not be applicable:



- Five-point alignment
- T-bar roller
- CurveFlow™ distribution area
- ClipGrip™ gasket attachment
- Offset gasket groove
- OmegaPort™ noncircular port holes
- Leak chamber
- SteerLock™ plate alignment



- FlexFlow™ plate design
- Compact frame
- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Tightening bolt cover

### Alfa Laval 360° Service Portfolio

Our extensive service offering ensure top performance from your Alfa Laval equipment throughout its life cycle. The Alfa Laval 360 Service Portfolio include installation services, cleaning and repair as well as spare parts, technical documentation and trouble shooting. We also offer replacement, retrofit, monitoring and much more.

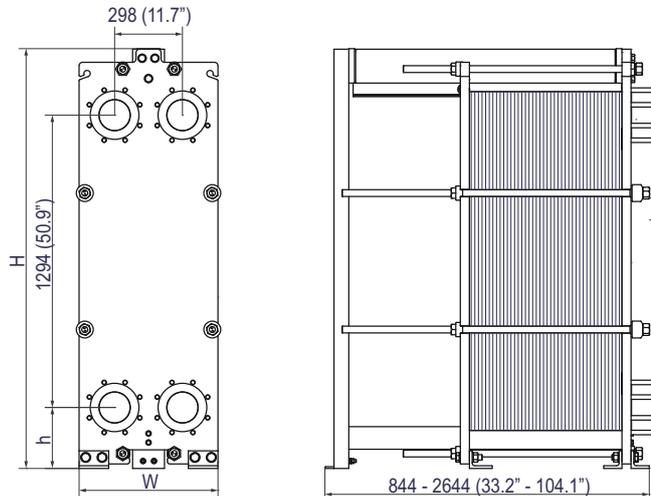
For information about our complete service offering and how to contact us - please visit [www.alfalaval.com/service](http://www.alfalaval.com/service).

## General remarks for technical information

- The global offering presented in this leaflet may not be available for all regions
- All combinations may not be configurable

## Dimensional drawing

Measurements mm (inches)



Type	H	W	h
T15-FM, PED, ALS, Marine	1833 (72.7")	610 (24.0")	270 (10.6")
T15-FG, PED, ALS, Marine	1871 (73.7")	650 (25.6")	284.5 (11.2")
T15-FG, ASME	1856 (73.1")	650 (25.6")	270 (10.6")
T15-FS, PED, ALS, ASME	1871 (73.7")	650 (25.6")	284.5 (11.2")
T15-FD, ASME	1871 (73.7")	650 (25.6")	284.5 (11.2")

The number of tightening bolts may vary depending on pressure rating.

## Technical data

Plates	Type	Free channel, mm (inches)
B	Single plate	2.42 (0.0953)
M	Single plate	3.80 (0.1496)
BDC	Double wall plate	2.45 (0.0965)

## Materials

Heat transfer plates	304, 316, 254, C276 Ti
Field gaskets	NBR, EPDM, FKM, HNBR, HeatSeal
Flange connections	Metal lined: stainless steel, Alloy 254, Alloy C-276, titanium Rubber lined: NBR, EPDM
Frame and pressure plate	Carbon steel, epoxy painted

Other materials may be available on request

## Operational data

Frame, PV-code	Max. design pressure (barg/psig)	Max. design temperature (°C/°F)
FM, pvcALS	10.4/151	200/392
FM, PED	10.4/151	200/392
FM, Marine <sup>1</sup>	10.4/151	180/356
FG, pvcALS	16.0/232	200/392
FG, ASME	11.0/159	250/482
FG, PED	16.0/232	200/392
FG, Marine <sup>1</sup>	16.0/232	180/356
FD, ASME	21.0/304	250/482

<sup>1</sup> Marine standard includes the standards: ABS, BV, CCS, ClassNK, DNV GL, KR, LR, RINA, and RMRS.

Frame, PV-code	Max. design pressure (barg/psig)	Max. design temperature (°C/°F)
FS, pvcALS	38.0/551	200/392
FS, ASME	36.0/522	250/482
FS, PED	38.0/551	200/392

<sup>1</sup> Marine standard includes the standards: ABS, BV, CCS, ClassNK, DNV GL, KR, LR, RINA, and RMRS.

Extended pressure and temperature rating may be available on request.

## Flange connections

Frame	Connection standard	
FM, pvcALS	EN 1092-1 DN150 PN10	
	EN 1092-1 DN150 PN16	
	ASME B16.5 Class 150 NPS 6 JIS B2220 10K 150A	
FM, PED	EN 1092-1 DN150 PN10	
	EN 1092-1 DN150 PN16	
	ASME B16.5 Class 150 NPS 6	
FM, Marine <sup>1</sup>	EN 1092-1 DN250 PN10	
	EN 1092-1 DN150 PN16	
	ASME B16.5 Class 150 NPS 6 JIS B2220 10K 150A	
FG, pvcALS	EN 1092-1 DN150 PN16	
	EN 1092-1 DN150 PN25	
	ASME B16.5 Class 150 NPS 6 JIS B2220 10K 150A JIS B2220 16K 150A	
FG, Marine <sup>1</sup>	EN 1092-1 DN150 PN16	
	ASME B16.5 Class 150 NPS 6 JIS B2220 10K 150A JIS B2220 16K 150A	
	FG, ASME	ASME B16.5 Class 150 NPS 6
FG, PED		EN 1092-1 DN150 PN16
		EN 1092-1 DN150 PN25 ASME B16.5 Class 150 NPS 6
FD, ASME	ASME B16.5 Class 300 NPS 6	
	EN 1092-1 DN150 PN25	
	EN 1092-1 DN150 PN40	
FS, pvcALS	ASME B16.5 Class 300 NPS 6 JIS B2220 20K 150A	
	FS, ASME	ASME B16.5 Class 300 NPS 6
		FS, PED
EN 1092-1 DN150 PN40 ASME B16.5 Class 300 NPS 6		

<sup>1</sup> Marine includes the standards: ABS, BV, CCS, DNV GL, ClassNK, KR, LR, RINA, and RMRS.

Standard EN1092-1 corresponds to GOST 12815-80 and GB/T 9115.

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